

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110923\  
 Data File : VX038703.D  
 Acq On : 10 Nov 2023 04:41  
 Operator : JC/MD  
 Sample : 05241-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-15-20231102

Quant Time: Nov 10 05:28:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

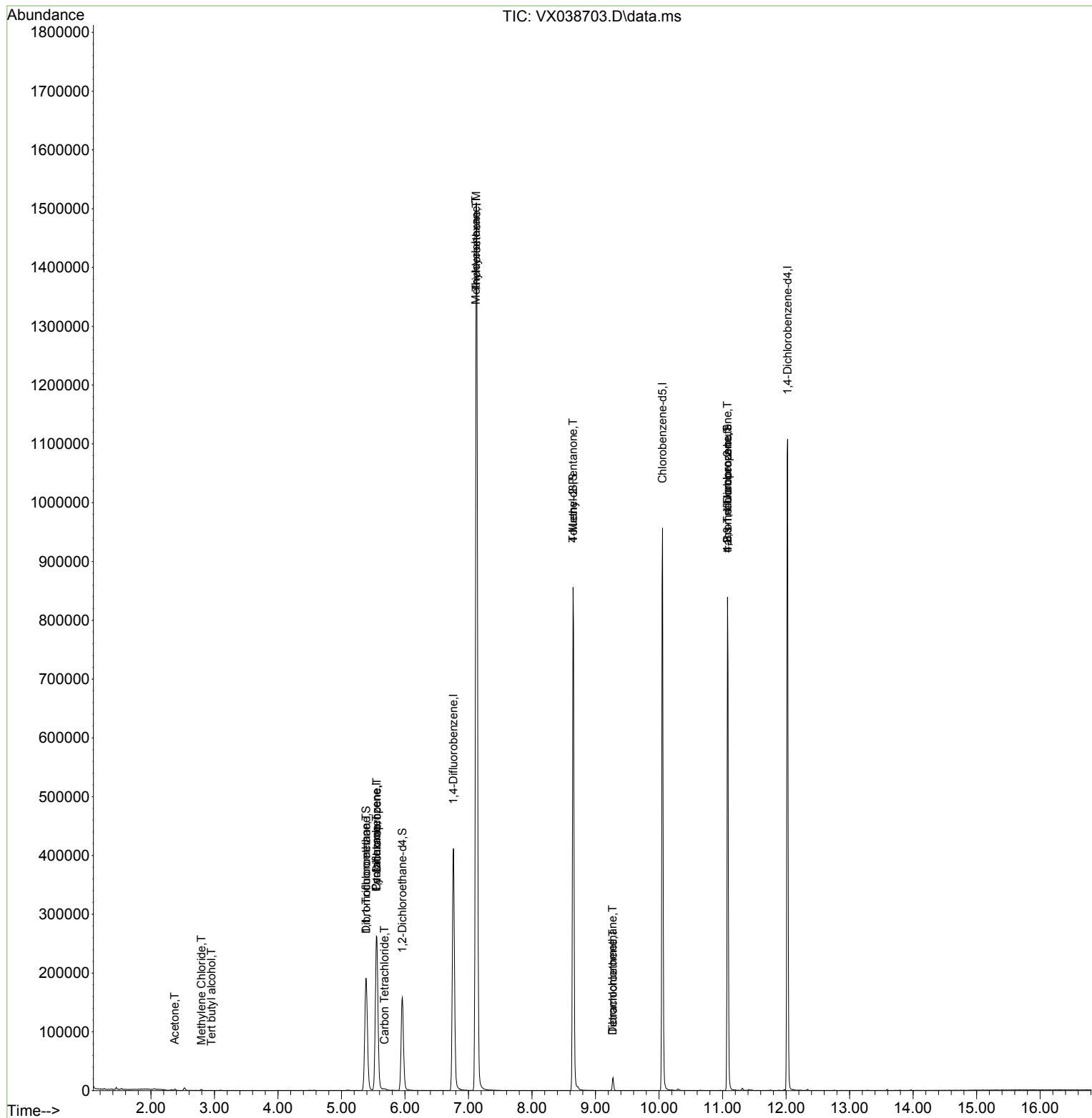
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 276216     | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 457754     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 470476     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 263857     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 157630     | 45.839  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 91.680% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 150881     | 45.765  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 91.520% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 544974     | 46.194  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 92.380% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 228619     | 49.982  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 99.960% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.953          | 59   | 152        | 0.216   | ug/l   | # 78     |
| 16) Acetone                   | 2.373          | 43   | 2504       | 1.729   | ug/l   | # 83     |
| 20) Methylene Chloride        | 2.794          | 84   | 996        | 0.341   | ug/l   | # 59     |
| 31) Cyclohexane               | 5.550          | 56   | 4650       | 1.222   | ug/l   | # 1      |
| 32) 1,1,1-Trichloroethane     | 5.385          | 97   | 24835      | 5.224   | ug/l   | 96       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 17991      | 4.393   | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 5.678          | 117  | 1897       | 0.414   | ug/l   | # 84     |
| 39) Methylcyclohexane         | 7.117          | 83   | 6552       | 1.280   | ug/l   | # 1      |
| 44) Trichloroethene           | 7.123          | 130  | 638600     | 173.998 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1656       | 0.395   | ug/l   | # 1      |
| 60) Dibromochloromethane      | 9.269          | 129  | 3715       | 1.009   | ug/l   | # 11     |
| 64) Tetrachloroethene         | 9.275          | 164  | 3991       | 1.133   | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 109243     | 20.905  | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 109243     | 63.578  | ug/l   | # 5      |
| -----                         |                |      |            |         |        |          |

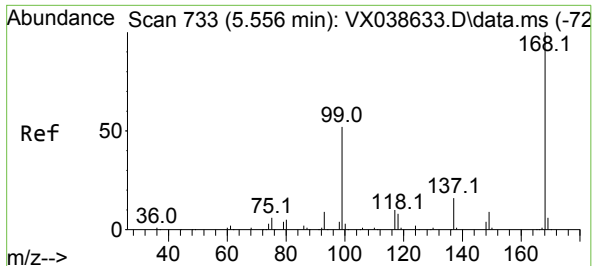
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110923\  
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Response via : Initial Calibration

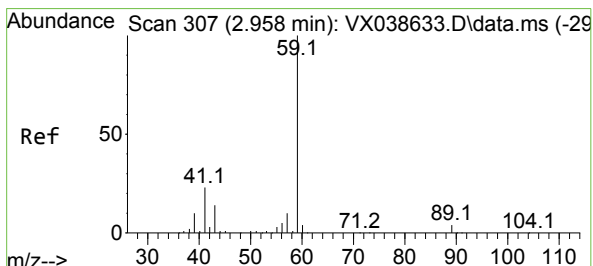
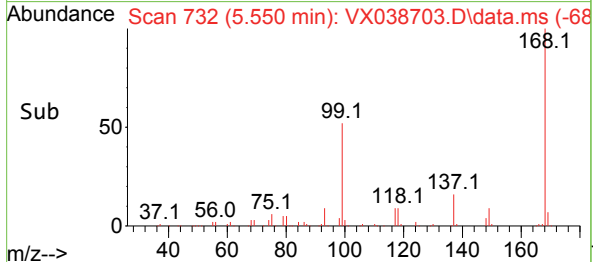
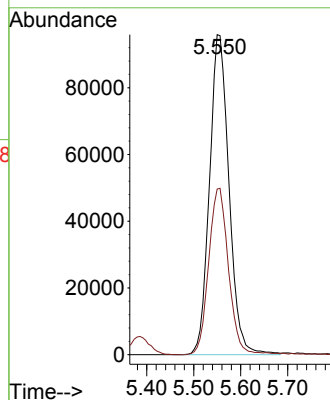
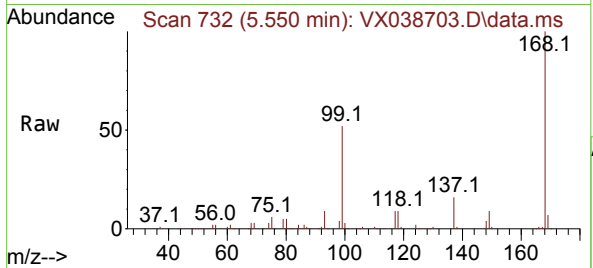




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

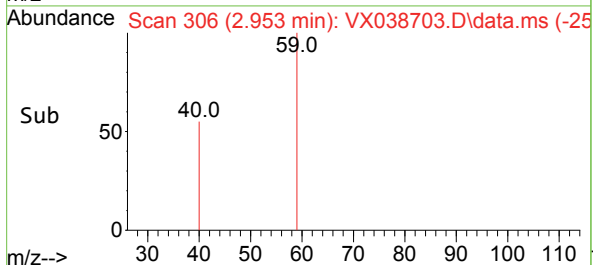
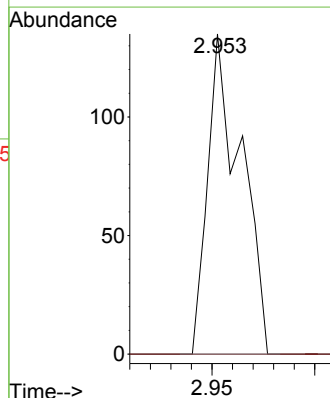
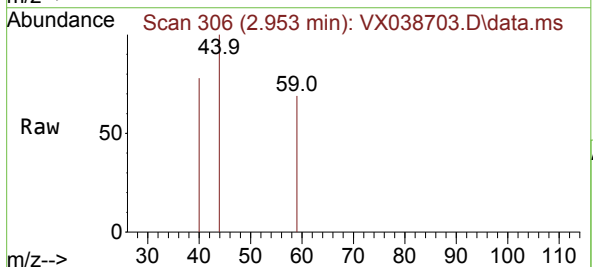
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102

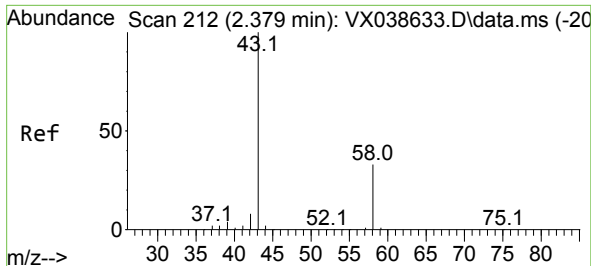
Tgt Ion:168 Resp: 276216  
Ion Ratio Lower Upper  
168 100  
99 51.8 56.6 85.0#



#11  
Tert butyl alcohol  
Concen: 0.216 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.006 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 59 Resp: 152  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#16

Acetone

Concen: 1.729 ug/l

RT: 2.373 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038703.D

Acq: 10 Nov 2023 04:41

Instrument :

MSVOA\_X

ClientSampleId :

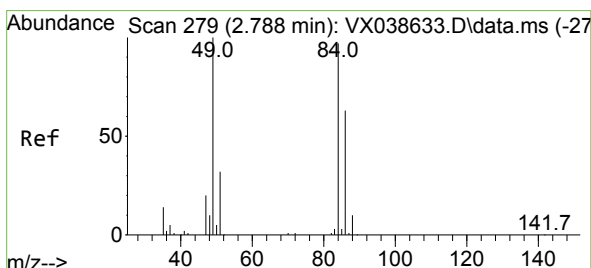
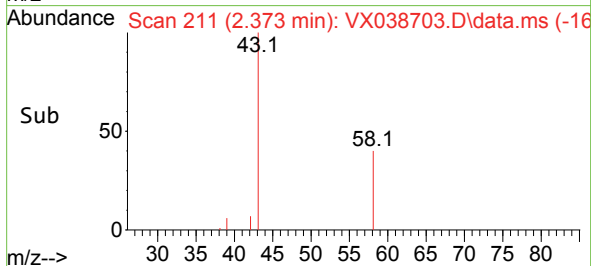
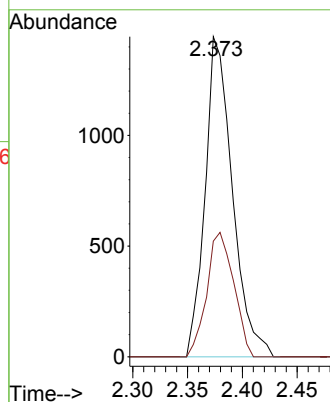
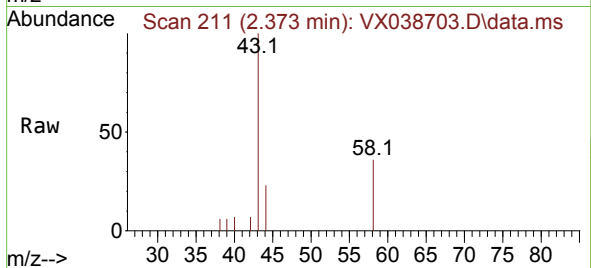
FSND-MW-15-20231102

Tgt Ion: 43 Resp: 2504

Ion Ratio Lower Upper

43 100

58 36.1 21.9 32.9#



#20

Methylene Chloride

Concen: 0.341 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038703.D

Acq: 10 Nov 2023 04:41

Tgt Ion: 84 Resp: 996

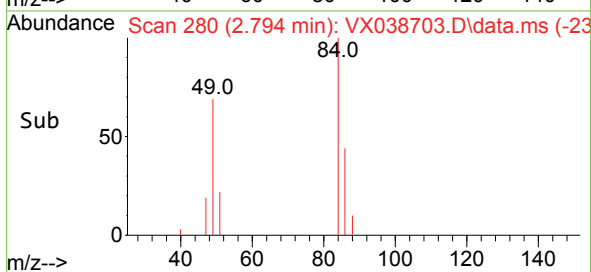
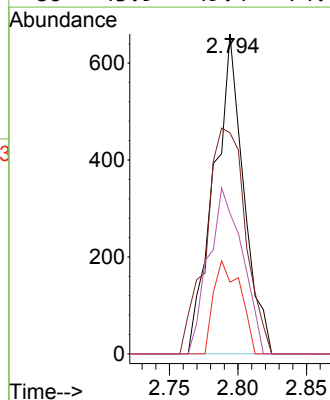
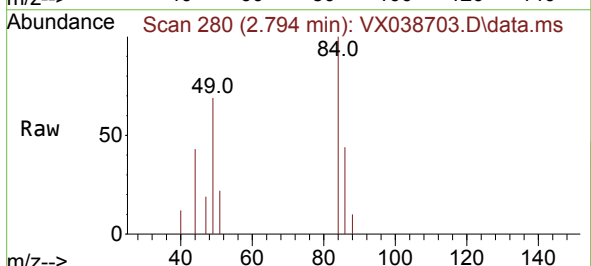
Ion Ratio Lower Upper

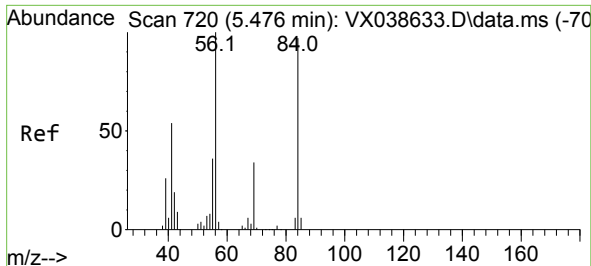
84 100

49 69.1 103.6 155.4#

51 22.4 33.8 50.6#

86 43.9 49.4 74.0#

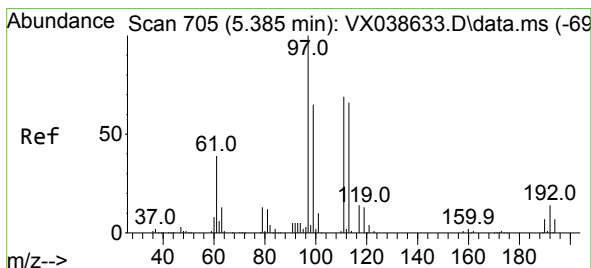
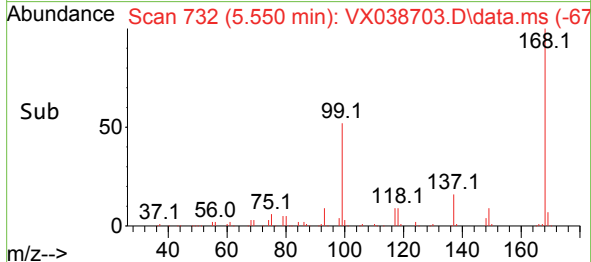
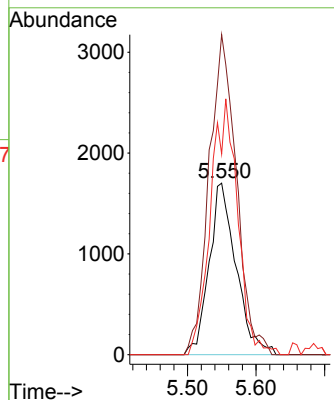
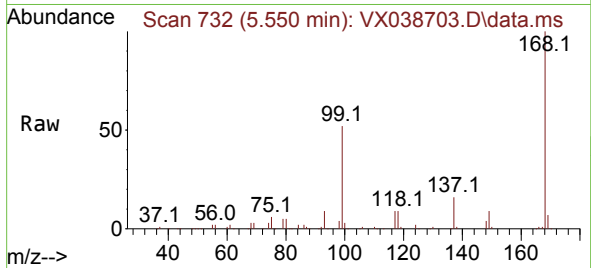




#31  
Cyclohexane  
Concen: 1.222 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.074 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

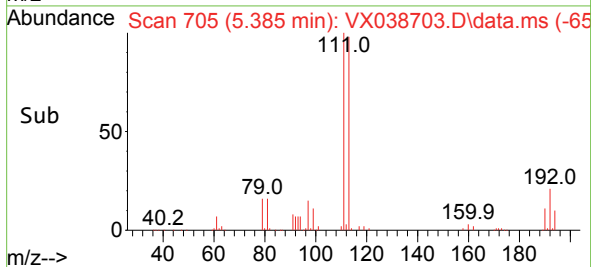
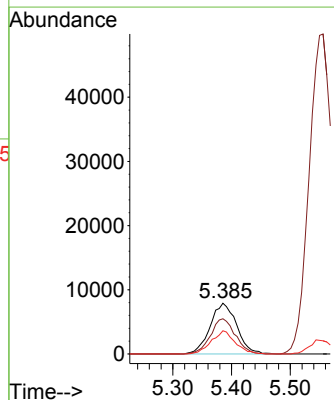
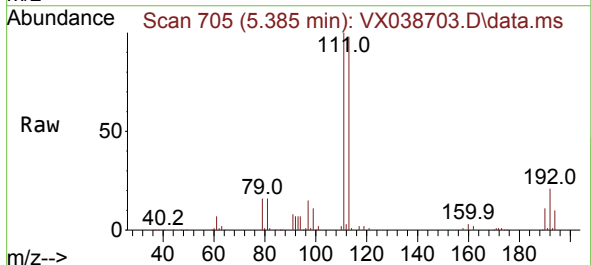
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MSVOA\_X  
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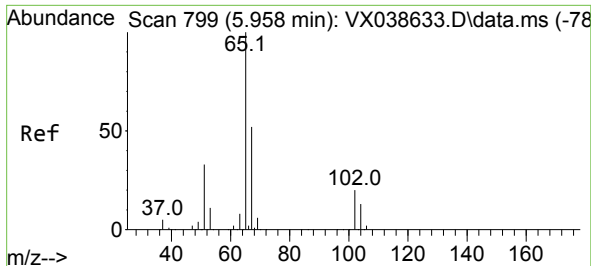
Tgt Ion: 56 Resp: 4650  
Ion Ratio Lower Upper  
56 100  
69 186.5 23.4 35.2#  
84 117.0 65.9 98.9#



#32  
1,1,1-Trichloroethane  
Concen: 5.224 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 97 Resp: 24835  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.1 76.7  
61 40.6 36.4 54.6

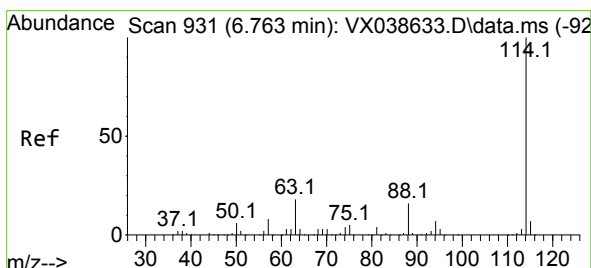
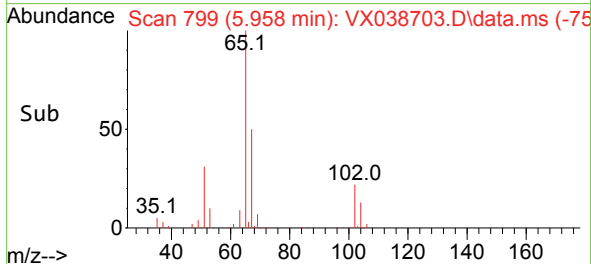
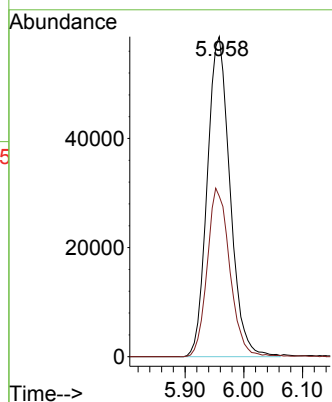
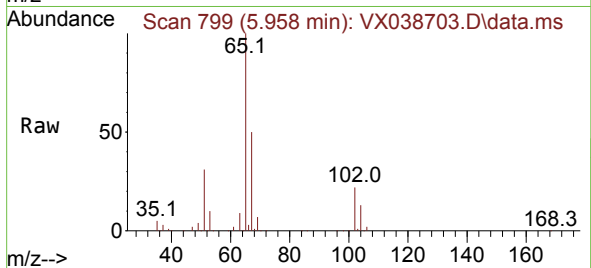




#33  
1,2-Dichloroethane-d4  
Concen: 45.839 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

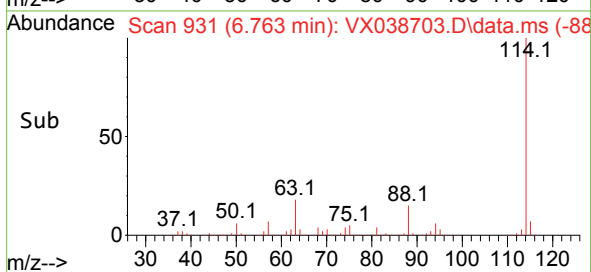
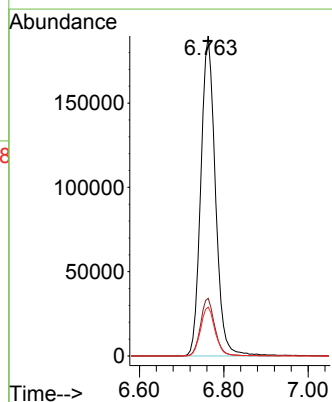
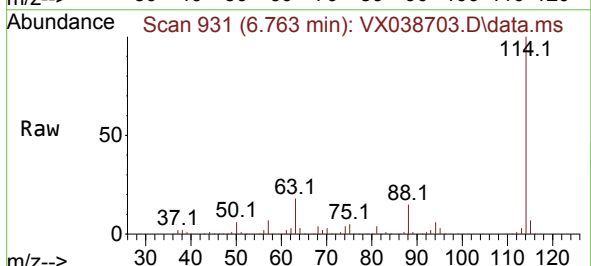
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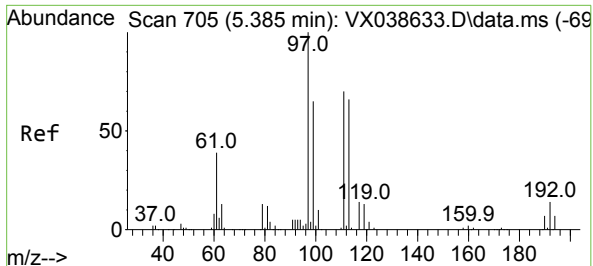
Tgt Ion: 65 Resp: 157630  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 114 Resp: 457754  
Ion Ratio Lower Upper  
114 100  
63 18.0 0.0 45.0  
88 15.2 0.0 36.6

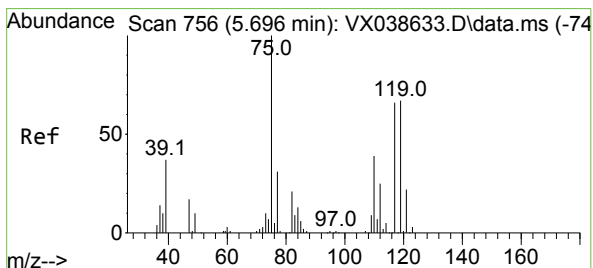
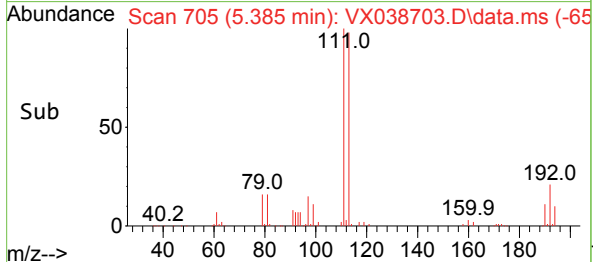
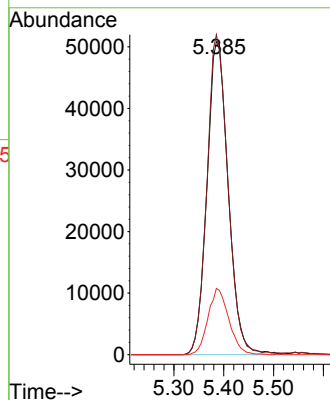
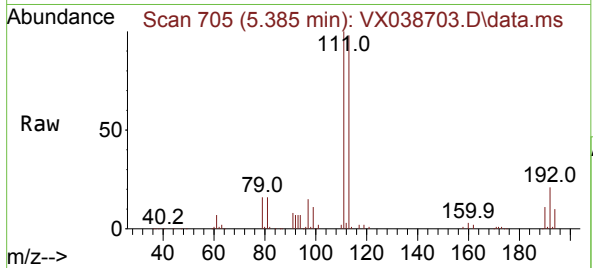




#35  
Dibromofluoromethane  
Concen: 45.765 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

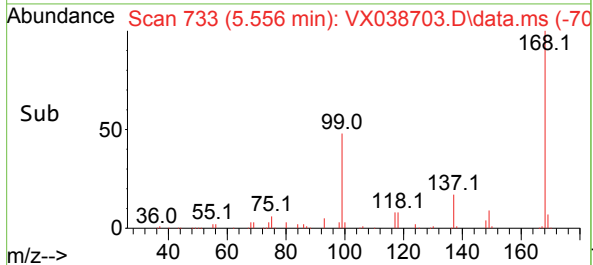
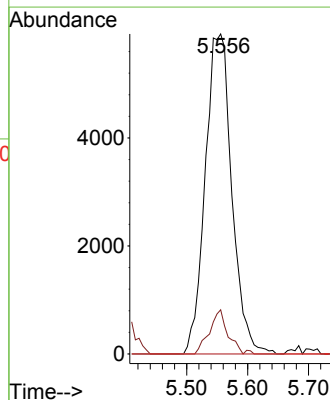
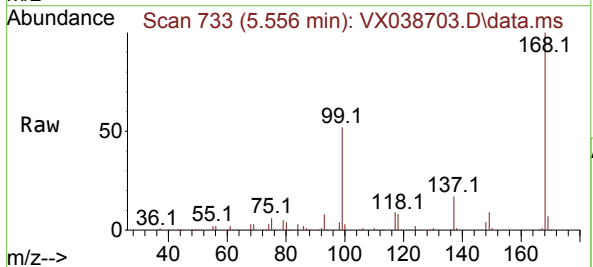
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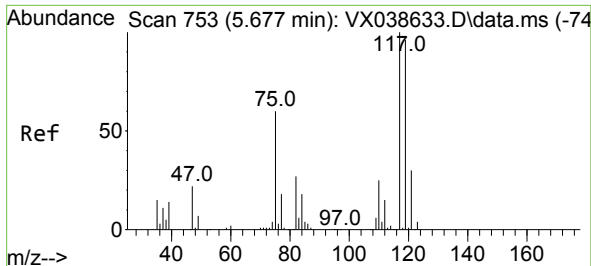
Tgt Ion:113 Resp: 150881  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.9 124.3  
192 20.7 13.3 19.9#



#36  
1,1-Dichloropropene  
Concen: 4.393 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 75 Resp: 17991  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.0 50.9#  
77 0.0 24.7 37.1#

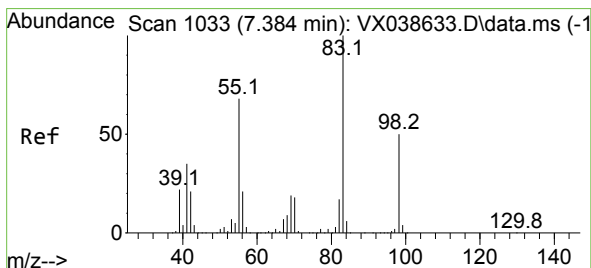
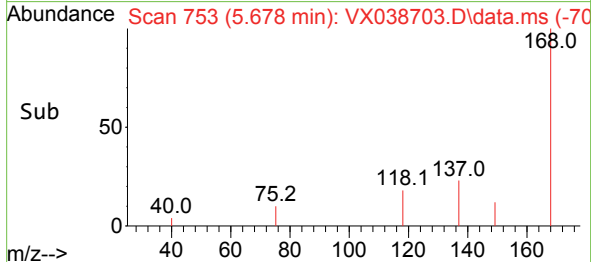
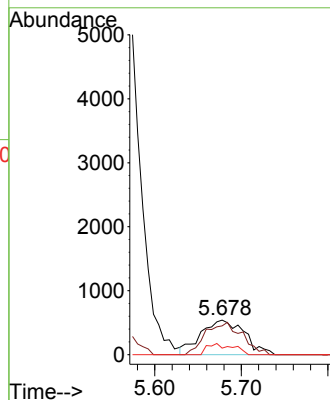
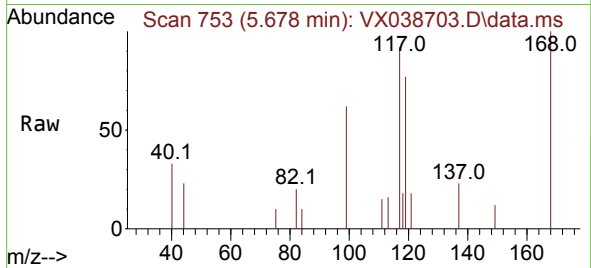




#38  
Carbon Tetrachloride  
Concen: 0.414 ug/l  
RT: 5.678 min Scan# 711  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

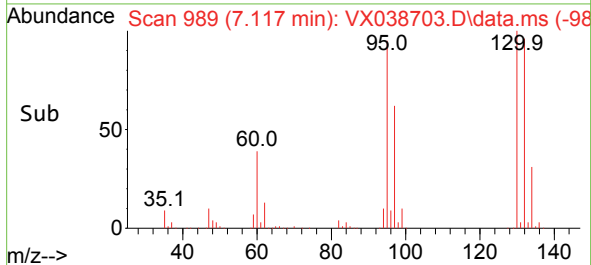
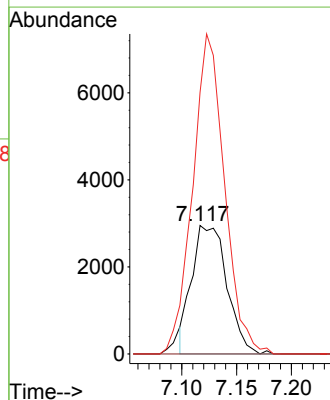
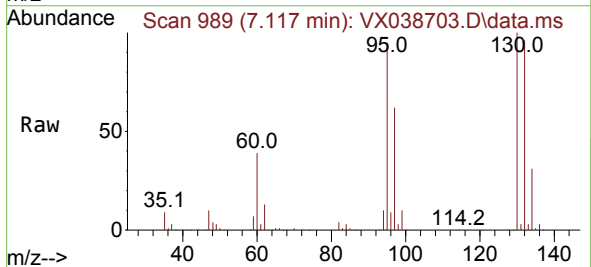
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102

Tgt Ion:117 Resp: 1897  
Ion Ratio Lower Upper  
117 100  
119 83.4 78.2 117.2  
121 19.0 24.4 36.6#

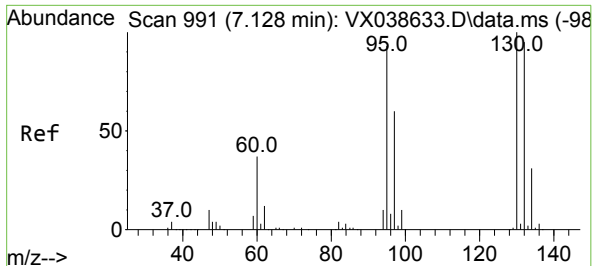


#39  
Methylcyclohexane  
Concen: 1.280 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. -0.268 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 83 Resp: 6552  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.6 97.0#  
98 203.6 36.7 55.1#



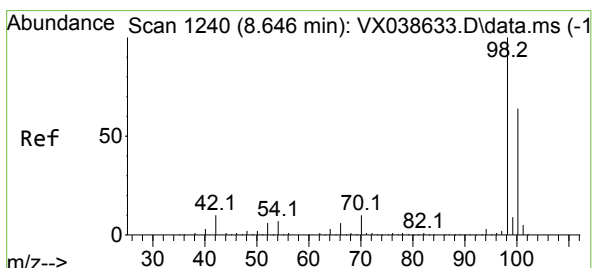
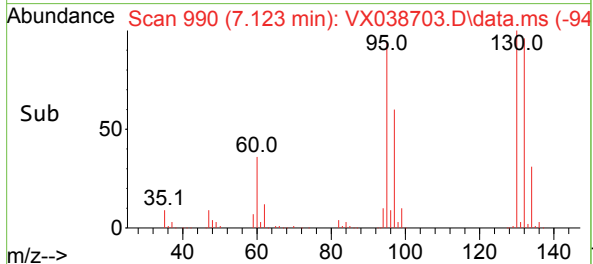
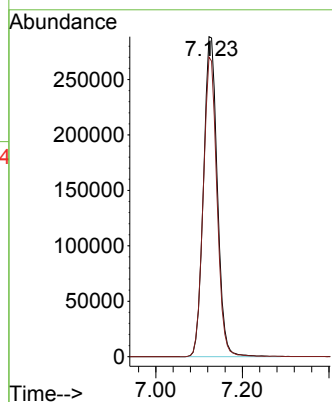
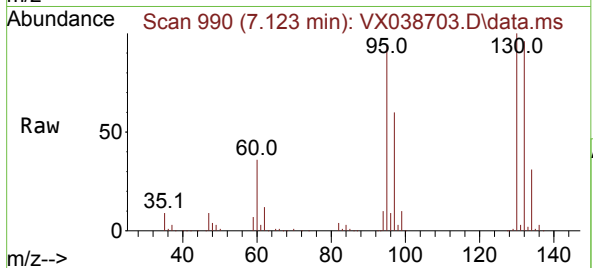




#44  
Trichloroethene  
Concen: 173.998 ug/l  
RT: 7.123 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

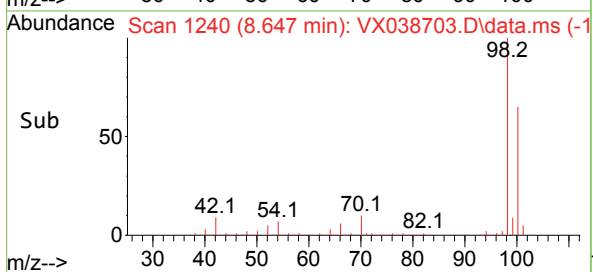
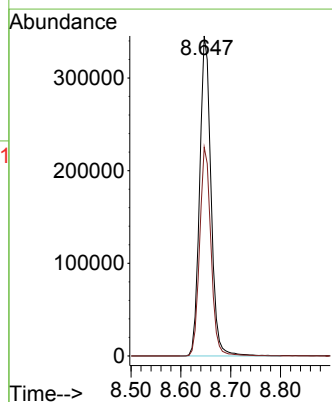
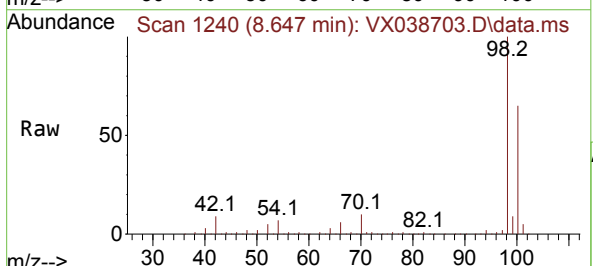
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102

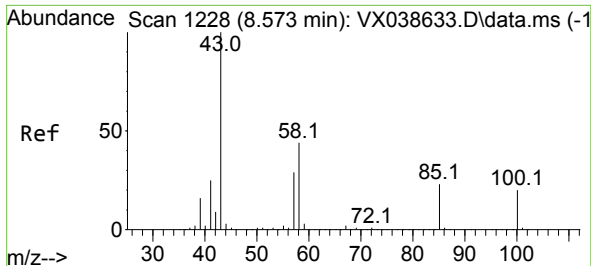
Tgt Ion:130 Resp: 638600  
Ion Ratio Lower Upper  
130 100  
95 93.7 0.0 204.4



#50  
Toluene-d8  
Concen: 46.194 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 98 Resp: 544974  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.1 79.7

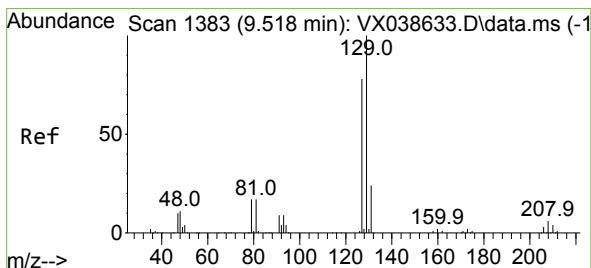
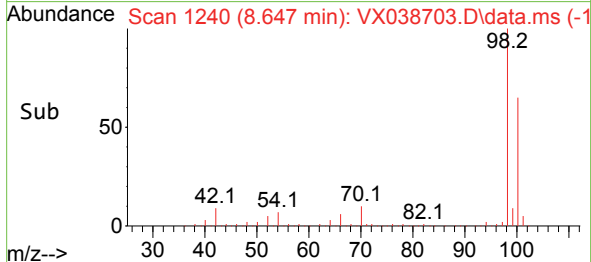
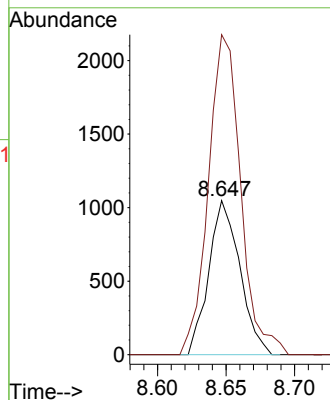
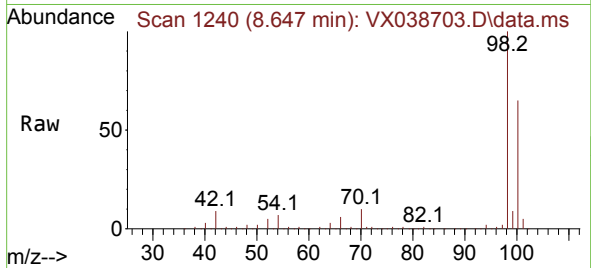




#51  
4-Methyl-2-Pentanone  
Concen: 0.395 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

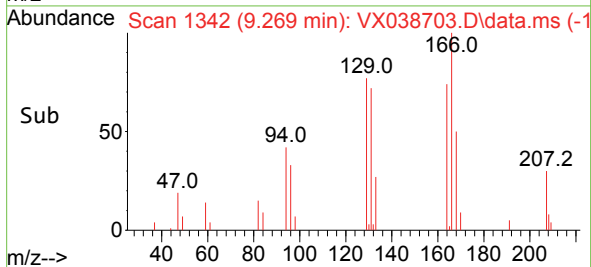
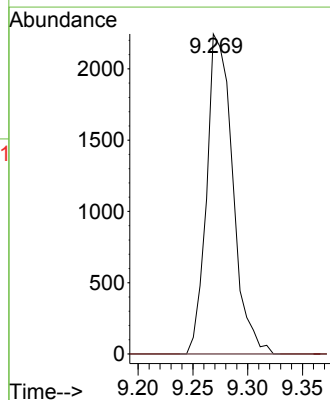
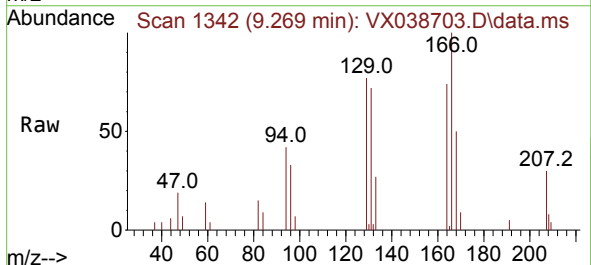
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102

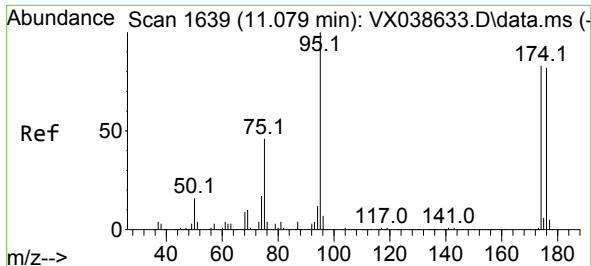
Tgt Ion: 43 Resp: 1656  
Ion Ratio Lower Upper  
43 100  
58 215.6 30.4 45.6#



#60  
Dibromochloromethane  
Concen: 1.009 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.250 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 129 Resp: 3715  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#

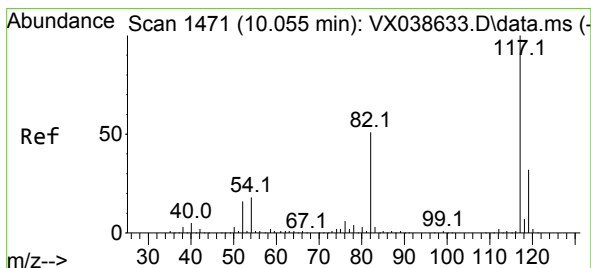
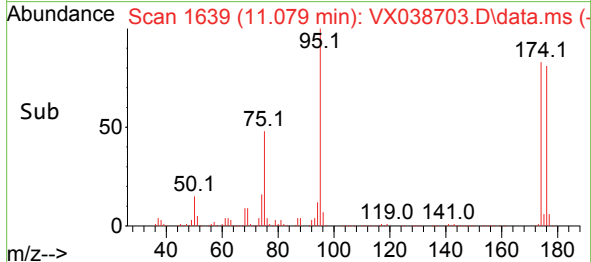
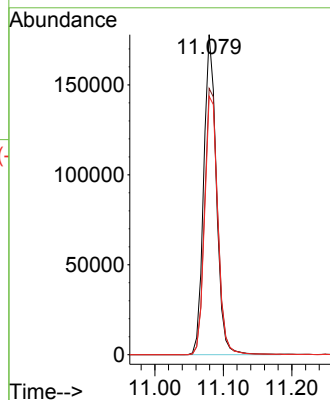
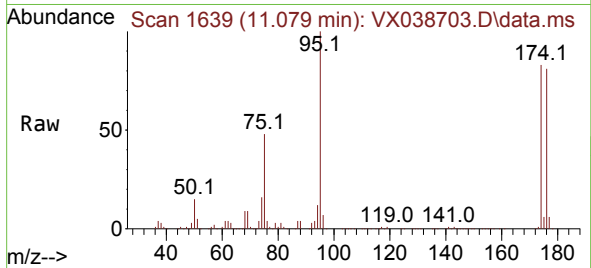




#62  
4-Bromofluorobenzene  
Concen: 49.982 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

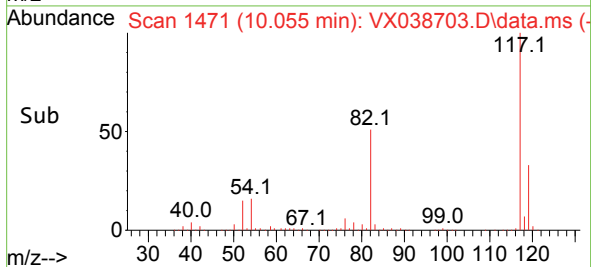
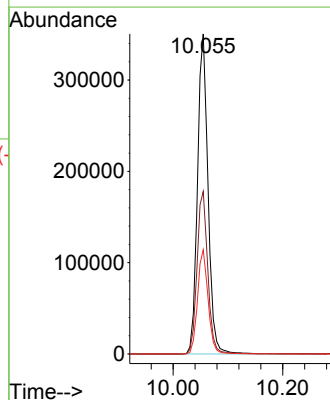
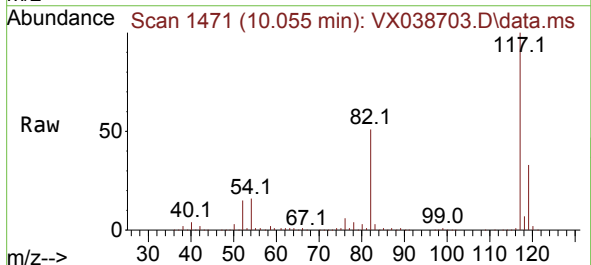
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102

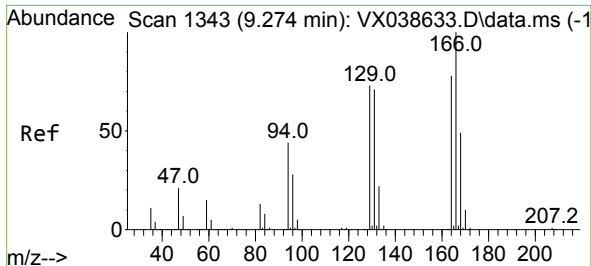
Tgt Ion: 95 Resp: 228619  
Ion Ratio Lower Upper  
95 100  
174 87.3 0.0 135.6  
176 84.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

Tgt Ion: 117 Resp: 470476  
Ion Ratio Lower Upper  
117 100  
82 50.8 46.2 69.4  
119 32.6 25.5 38.3

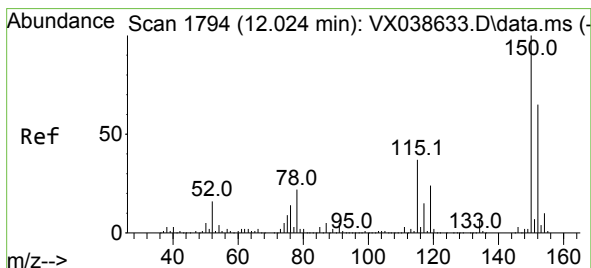
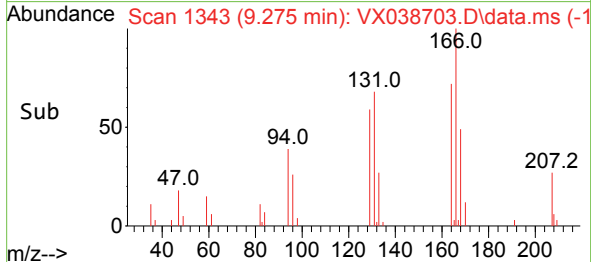
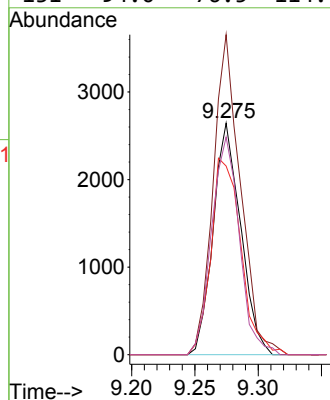
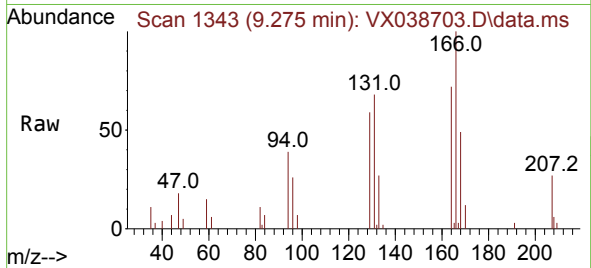




#64  
Tetrachloroethene  
Concen: 1.133 ug/l  
RT: 9.275 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

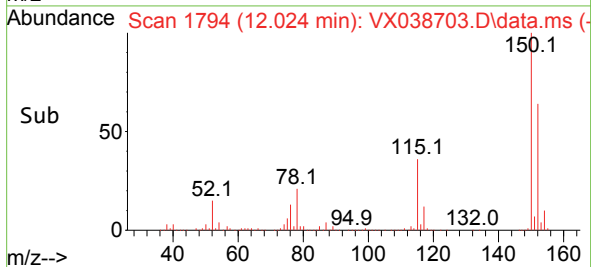
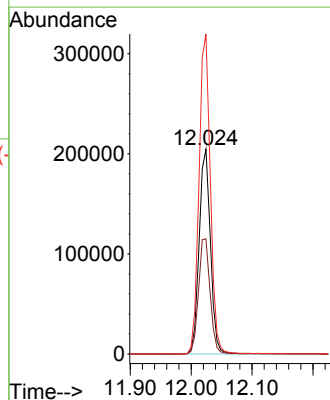
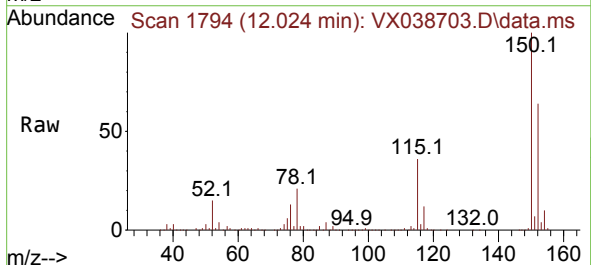
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102

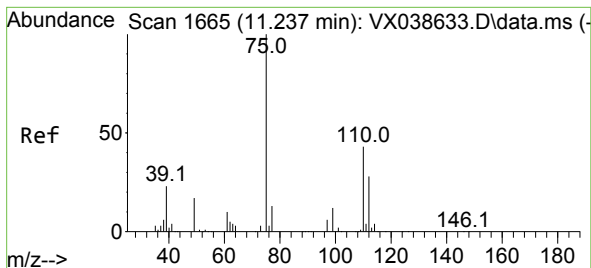
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 3991        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 138.2 | 102.7 154.1 |
| 129         | 81.4  | 80.4 120.6  |
| 131         | 94.0  | 76.5 114.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX038703.D  
Acq: 10 Nov 2023 04:41

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 263857      |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 57.7  | 43.3 129.9  |
| 150         | 156.4 | 0.0 345.0   |





#76

1,2,3-Trichloropropane

Concen: 20.905 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX038703.D

Acq: 10 Nov 2023 04:41

Instrument :

MSVOA\_X

ClientSampleId :

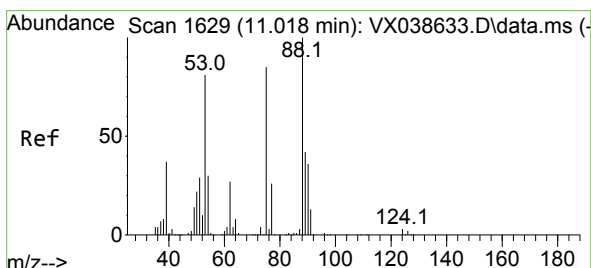
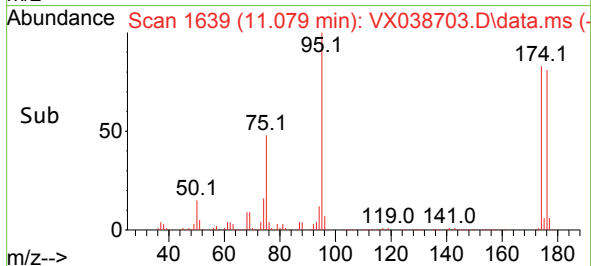
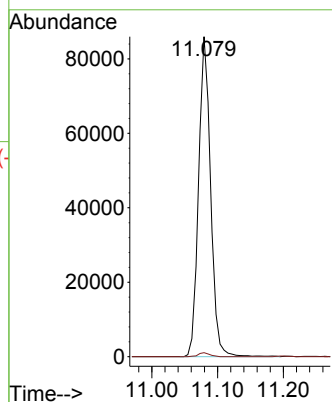
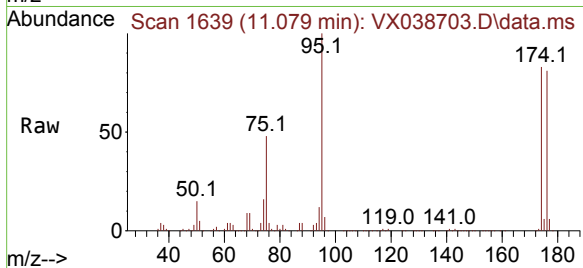
FSND-MW-15-20231102

Tgt Ion: 75 Resp: 109243

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.578 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038703.D

Acq: 10 Nov 2023 04:41

Tgt Ion: 75 Resp: 109243

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

